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(54) Title: **NANOPARTICLE-BASED VACCINE DELIVERY SYSTEM CONTAINING ADJUVANT**

(57) Abstract: A vaccine delivery system comprising adjuvant and nanoparticles comprising an immunogenic agent is provided. A method of immunizing an animal comprising administering a nanoparticle-based vaccine delivery system is also provided.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 38/00, 31/70, 9/127
US CL : 514/2, 44; 424/450

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 514/2, 44; 424/450

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/0131951 A1 (LANGER et al.) 19 September 2002, see entire document.	1, 2, 4, 8-11, 13-19, 22-28
X	US 5,753,787 A (HAWDON et al.) 19 May 1998, see brief summary paragraphs 1, 53, 54, 62, and 72	1, 3, 5, 7
X	US 5,510,118 A (BOSCH et al.) 23 April 1996, see brief summary paragraph 3, 11, and 32, detailed description paragraphs 17 and 42.	1, 2, 5-7
X	US 5,091,187 A (HAYNES et al.) 25 February 1992, see brief summary paragraph 21 and 32, and detailed description paragraphs 163 and 170.	1, 12, 20, and 21

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